FIG.1A

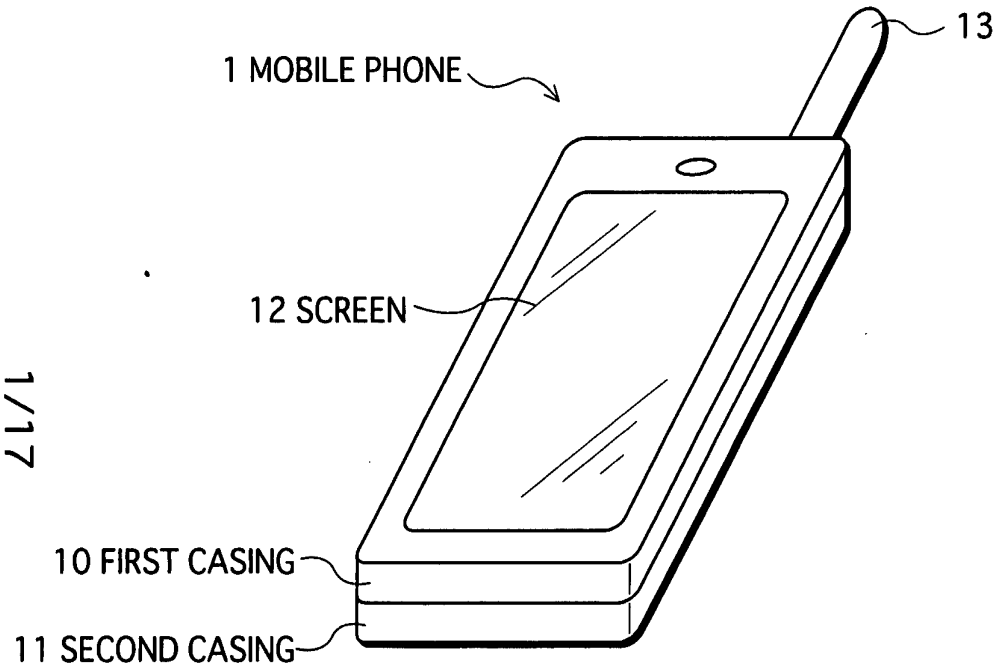

1 MOBILE PHONE
13
12 SCREEN
10 FIRST CASING
11 SECOND CASING

FIG.1B

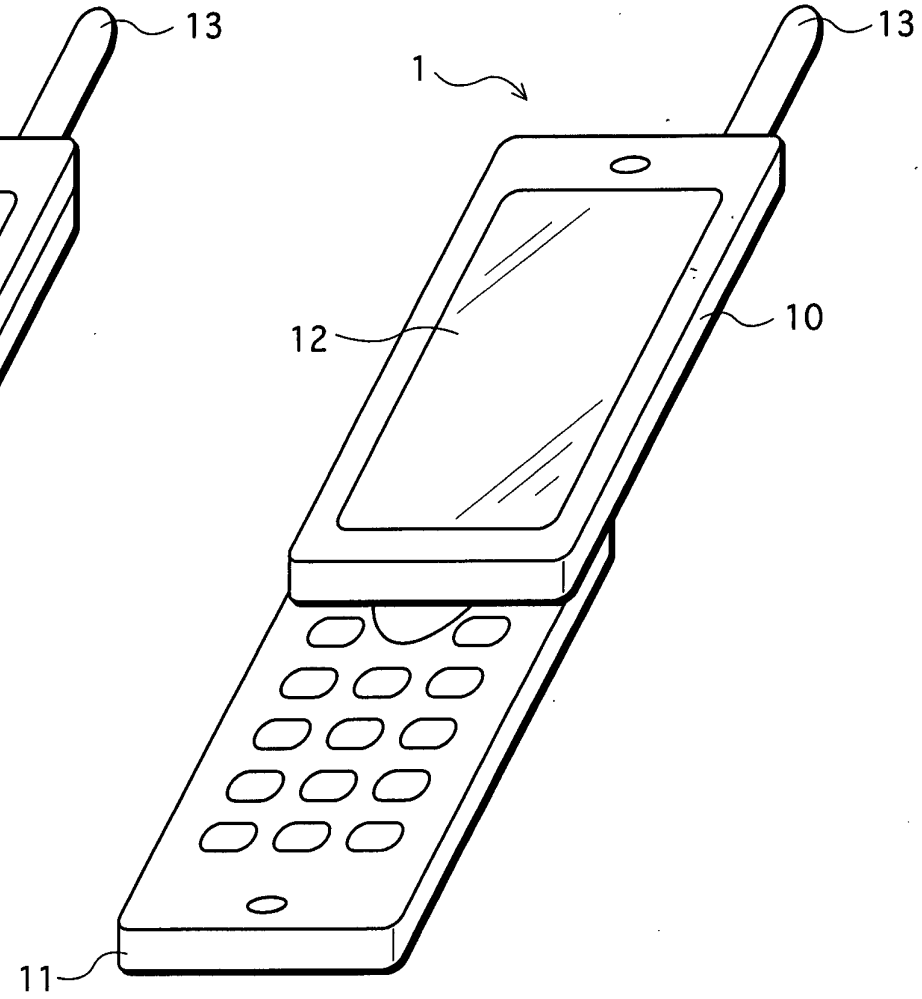
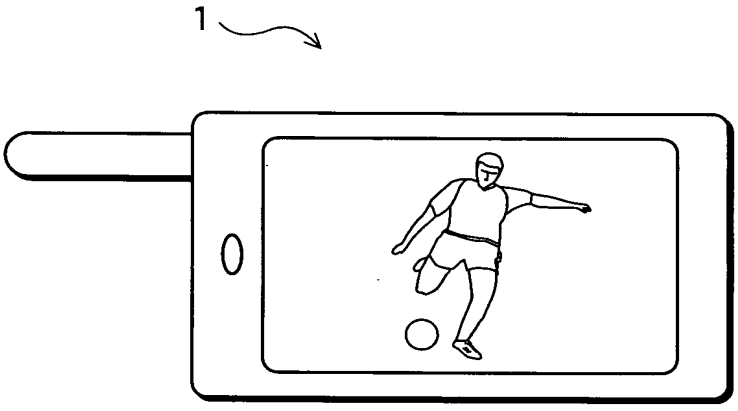

1
13
12
10
11

FIG.2



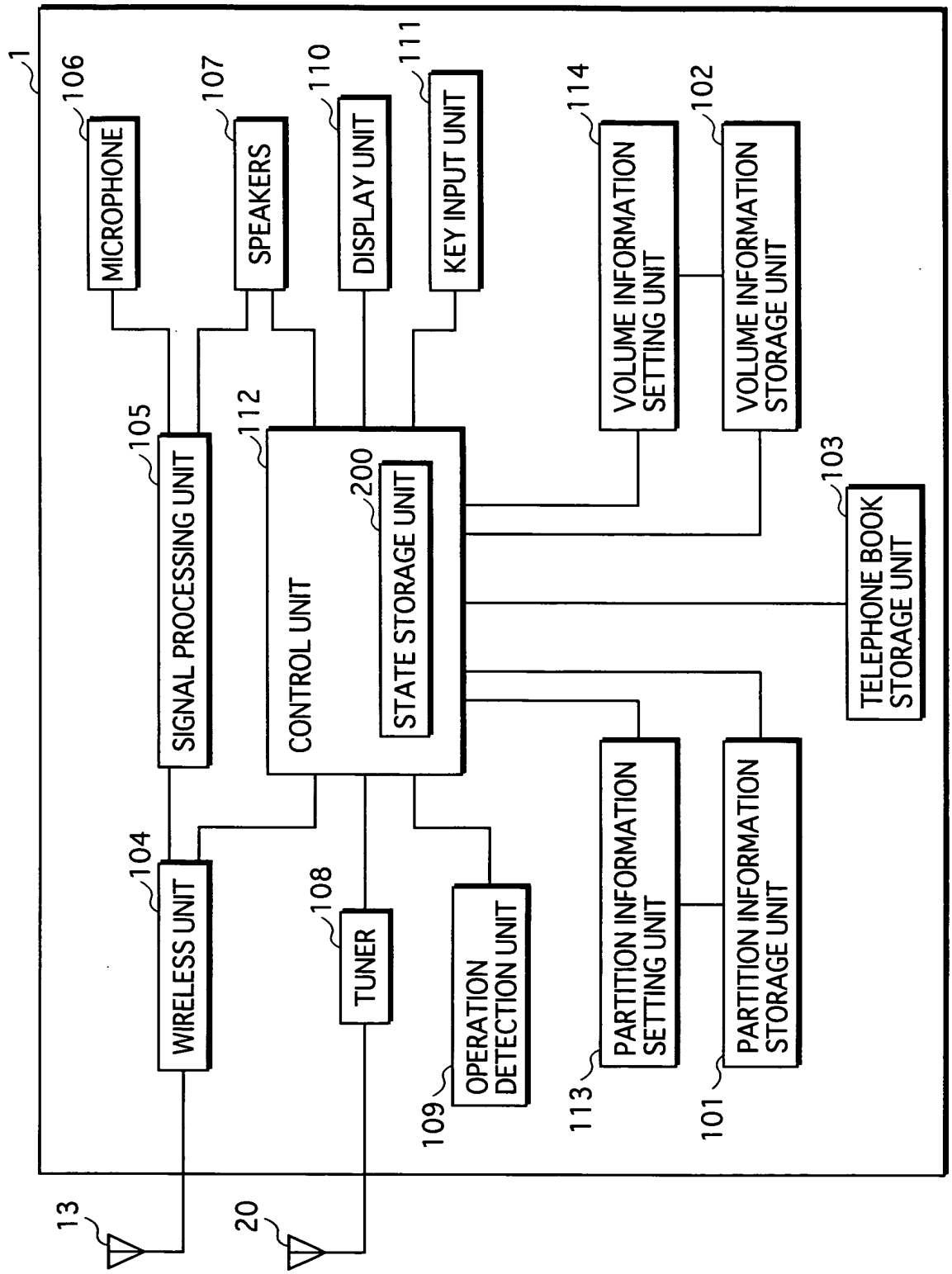

1
MICROPHONE
106
SPEAKERS
107
DISPLAY UNIT
110
KEY INPUT UNIT
111
VOLUME INFORMATION SETTING UNIT
114
VOLUME INFORMATION STORAGE UNIT
102
SIGNAL PROCESSING UNIT
105
CONTROL UNIT
112
STATE STORAGE UNIT
200
TELEPHONE BOOK STORAGE UNIT
103
WIRELESS UNIT
104
TUNER
108
OPERATION DETECTION UNIT
109
PARTITION INFORMATION SETTING UNIT
113
PARTITION INFORMATION STORAGE UNIT
101
13
20

FIG.3

FIG.4

T100

STATE	PARTITION RATIO
CLOSED	80:20
OPEN	50:50

FIG.5

T101

USE APPLICATION	USE VOLUME
AV EMAIL PLAYBACK	MUTE
TELEPHONE CALL	MUTE
EMAIL CREATION	MINIMUM
⋮	⋮

FIG.6

T102

NAME	TELEPHONE NUMBER	EMAIL ADDRESS
ANNA	090-000-00000	anna@eee.fff.ggg
BOB	XXX-XXX-XXXX	bob@hhh.iii.jjj
CARL	△△△-△△△-△△△△	
DAVE		dave@nnn.ooo.ppp
⋮	⋮	⋮

FIG.7A

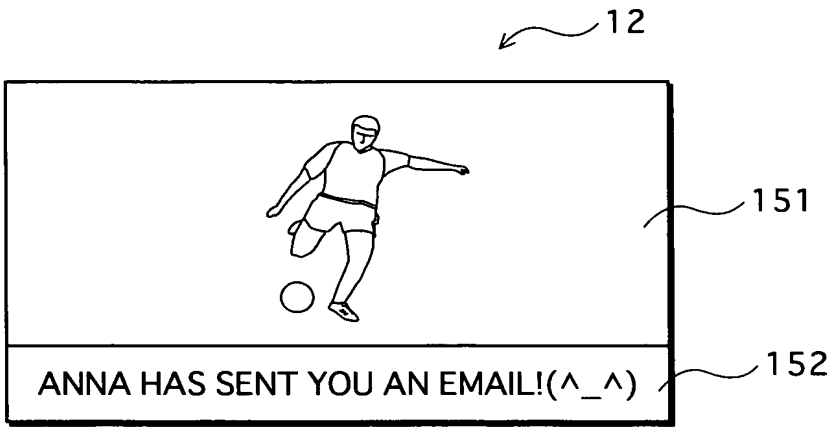

12
151
ANNA HAS SENT YOU AN EMAIL!(^_^)
152

FIG.7B

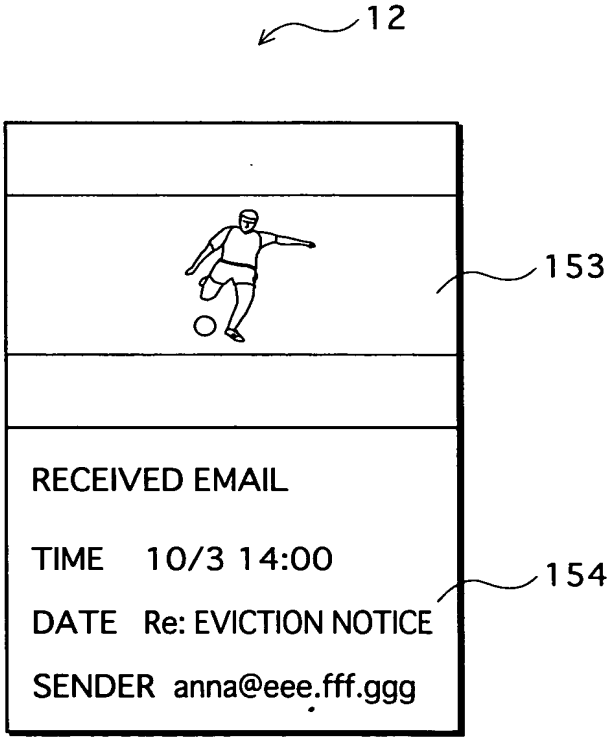

12
153
RECEIVED EMAIL
TIME 10/3 14:00
DATE Re: EVICTION NOTICE
SENDER anna@eee.fff.ggg
154

FIG.8

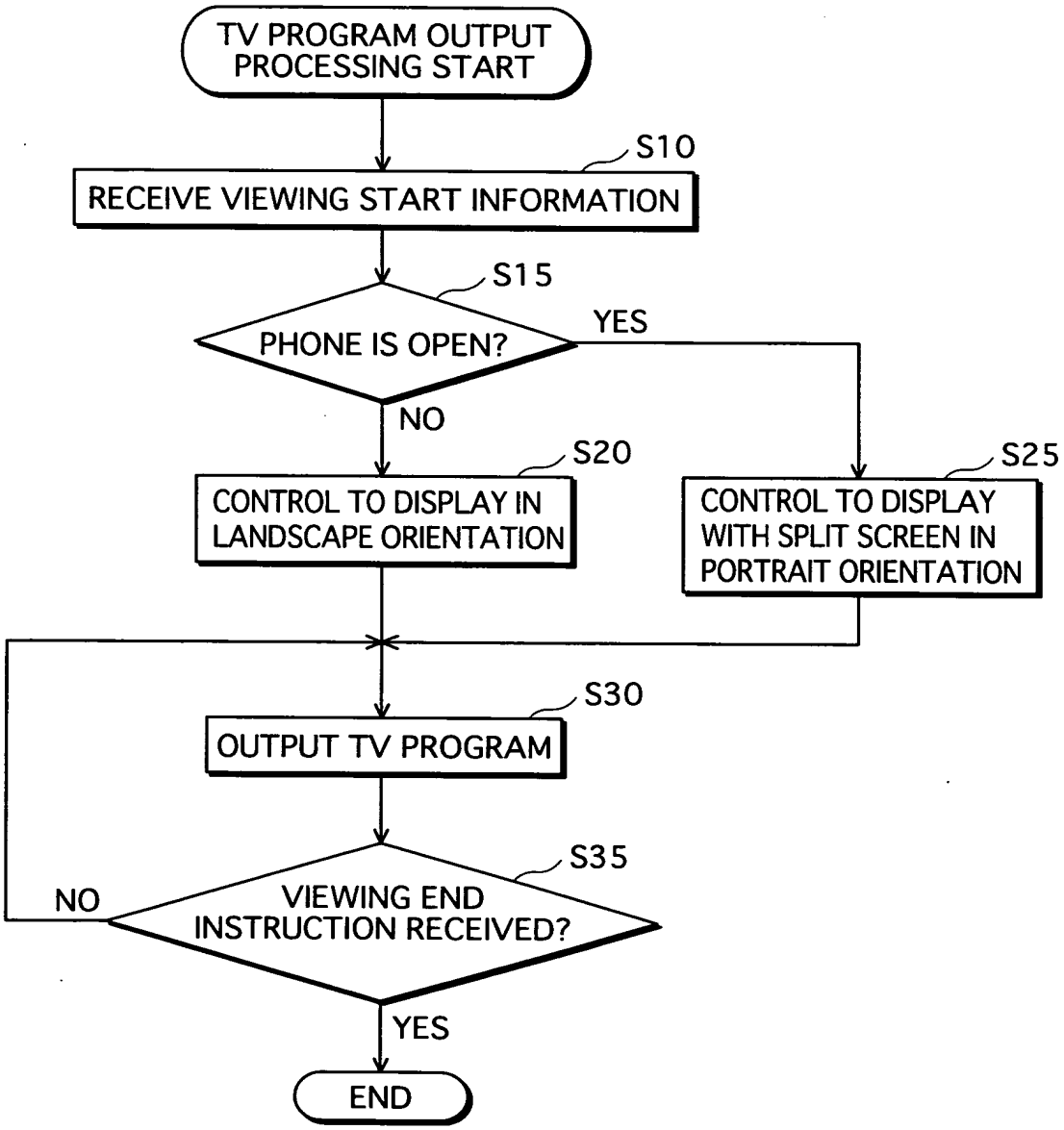

TV PROGRAM OUTPUT PROCESSING START
S10
RECEIVE VIEWING START INFORMATION
S15
PHONE IS OPEN?
YES
NO
S20
CONTROL TO DISPLAY IN LANDSCAPE ORIENTATION
S25
CONTROL TO DISPLAY WITH SPLIT SCREEN IN PORTRAIT ORIENTATION
S30
OUTPUT TV PROGRAM
S35
VIEWING END INSTRUCTION RECEIVED?
NO
YES
END

FIG.9

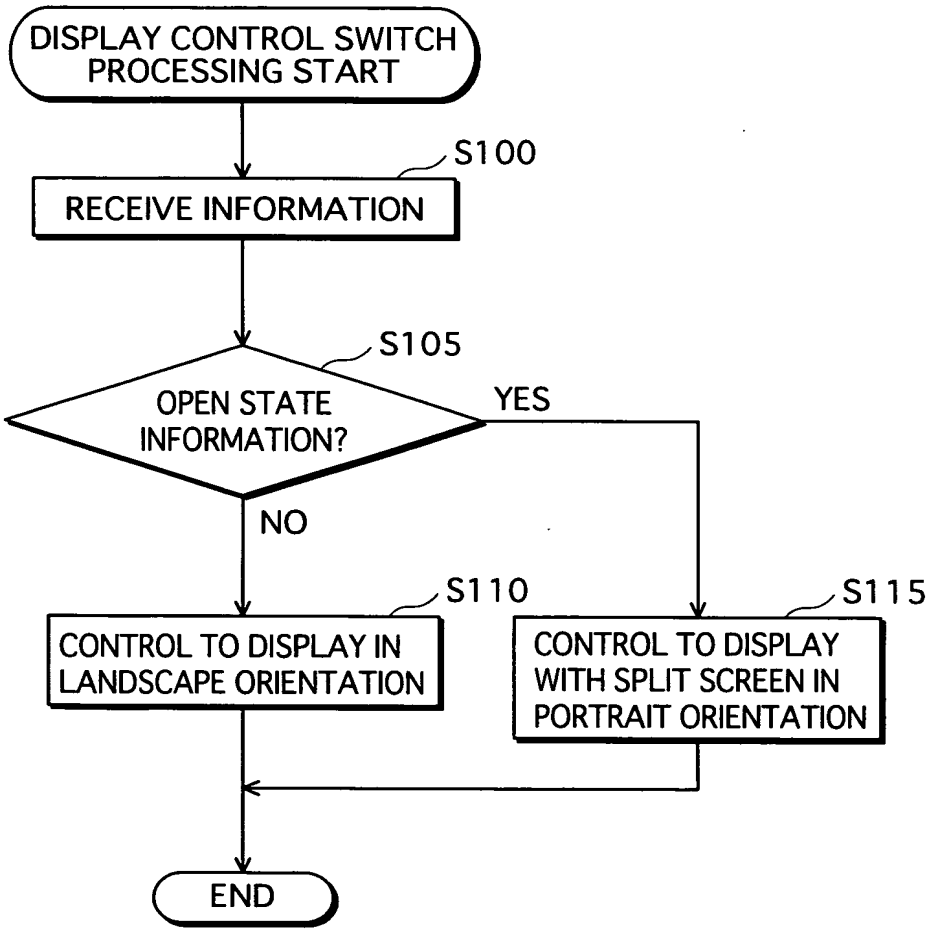

DISPLAY CONTROL SWITCH PROCESSING START
S100
RECEIVE INFORMATION
S105
OPEN STATE INFORMATION?
YES
NO
S110
CONTROL TO DISPLAY IN LANDSCAPE ORIENTATION
S115
CONTROL TO DISPLAY WITH SPLIT SCREEN IN PORTRAIT ORIENTATION
END

FIG.10

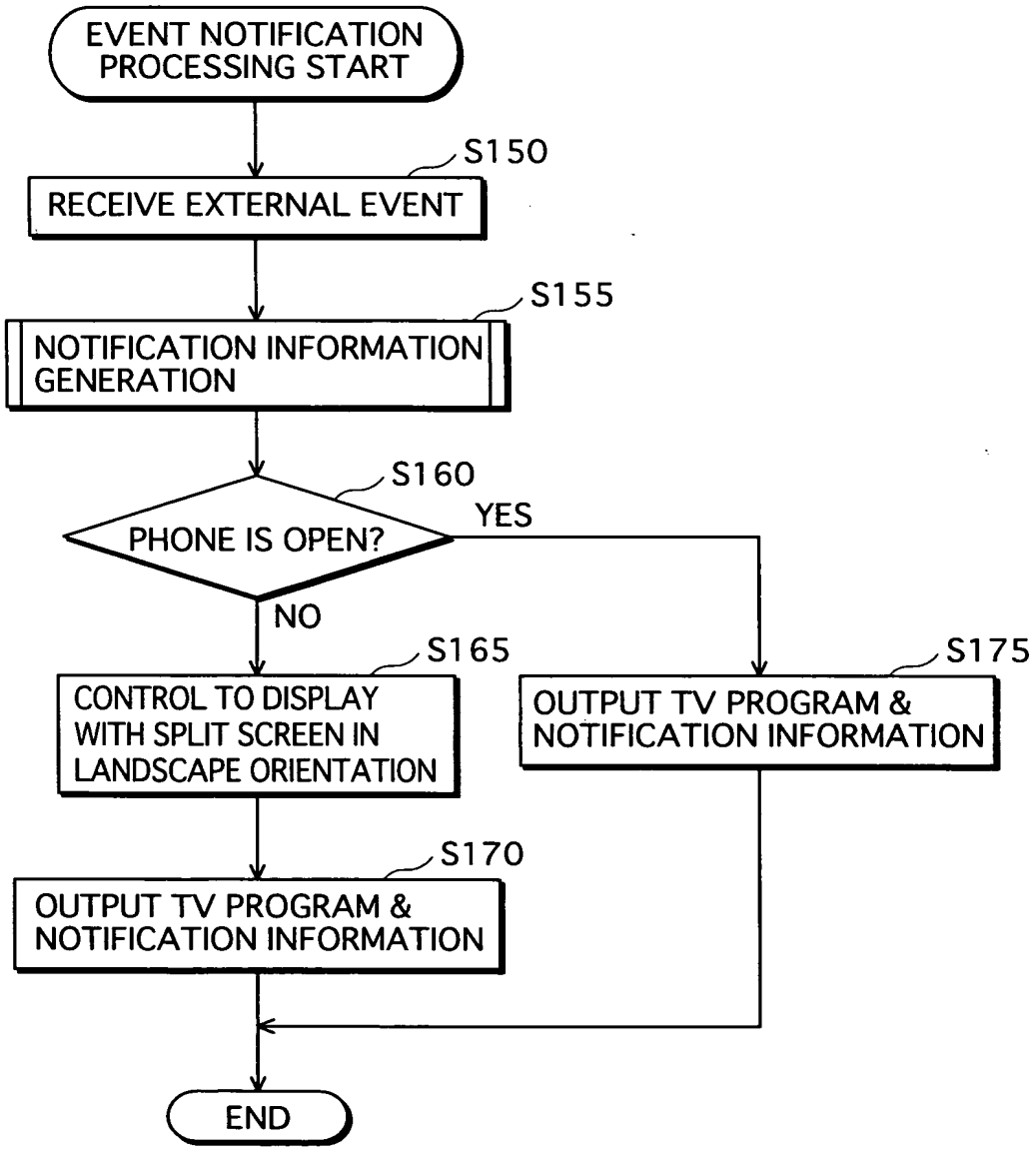

EVENT NOTIFICATION PROCESSING START
S150
RECEIVE EXTERNAL EVENT
S155
NOTIFICATION INFORMATION GENERATION
S160
PHONE IS OPEN?
YES
NO
S165
CONTROL TO DISPLAY WITH SPLIT SCREEN IN LANDSCAPE ORIENTATION
S175
OUTPUT TV PROGRAM & NOTIFICATION INFORMATION
S170
OUTPUT TV PROGRAM & NOTIFICATION INFORMATION
END

FIG.11

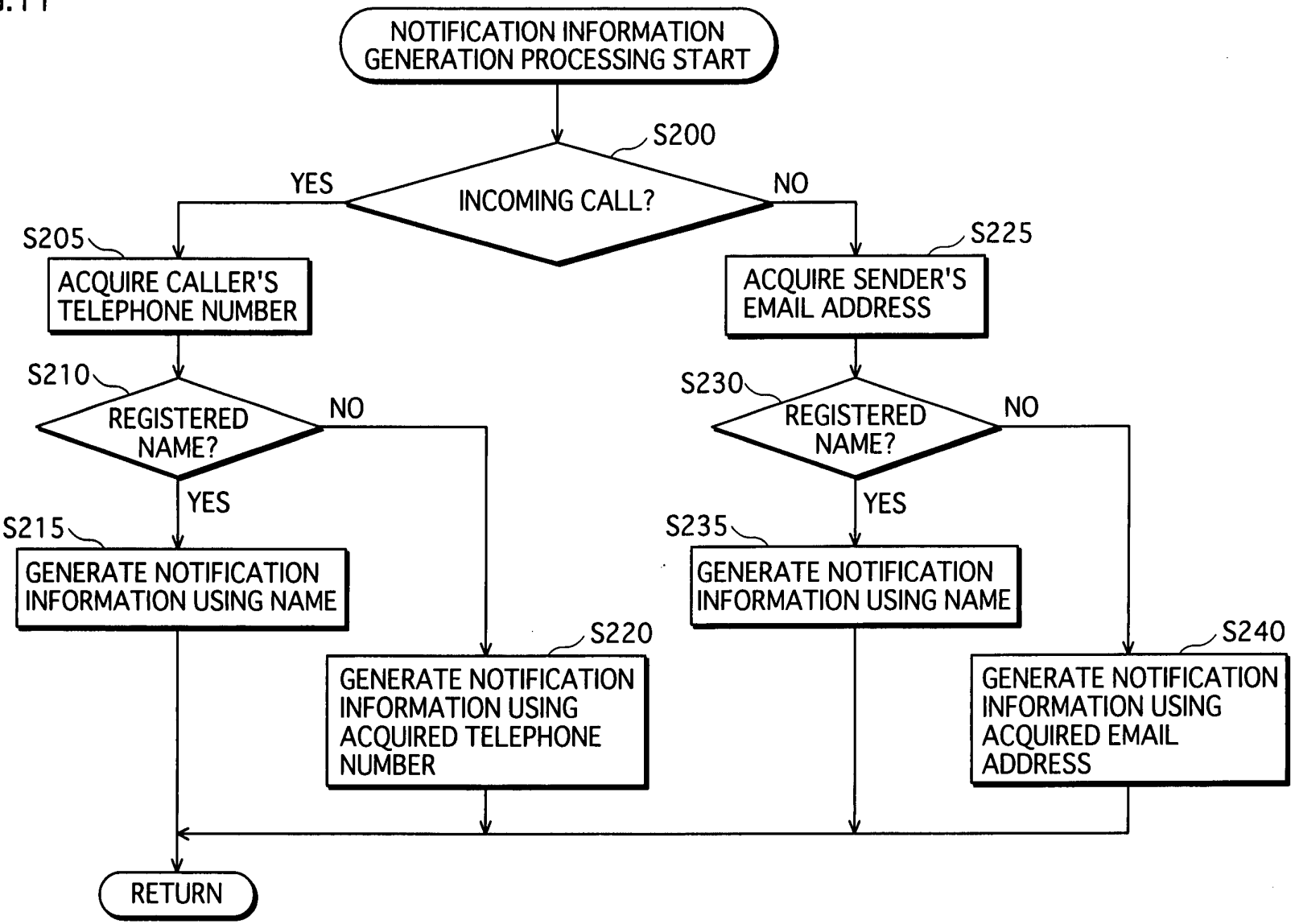

NOTIFICATION INFORMATION GENERATION PROCESSING START
S200
INCOMING CALL?
YES
NO
S205
ACQUIRE CALLER'S TELEPHONE NUMBER
S210
REGISTERED NAME?
NO
YES
S215
GENERATE NOTIFICATION INFORMATION USING NAME
S220
GENERATE NOTIFICATION INFORMATION USING ACQUIRED TELEPHONE NUMBER
S225
ACQUIRE SENDER'S EMAIL ADDRESS
S230
REGISTERED NAME?
NO
YES
S235
GENERATE NOTIFICATION INFORMATION USING NAME
S240
GENERATE NOTIFICATION INFORMATION USING ACQUIRED EMAIL ADDRESS
RETURN

FIG.12

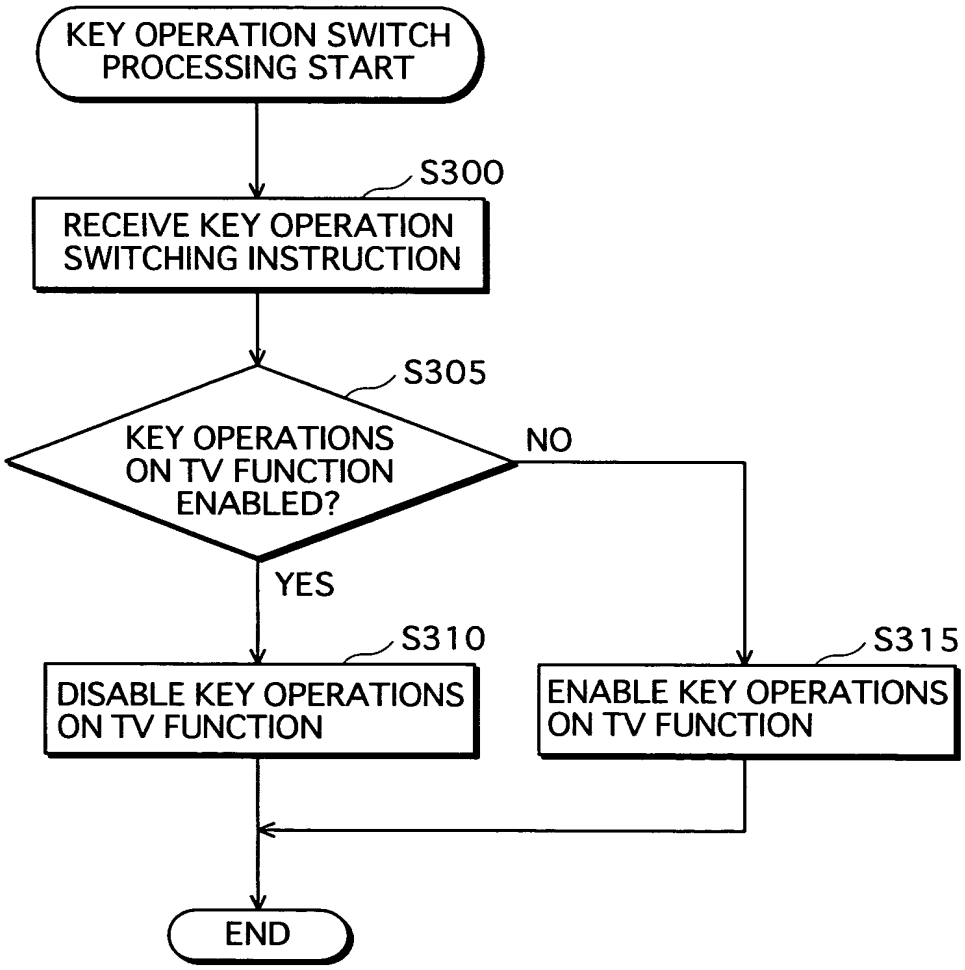

KEY OPERATION SWITCH PROCESSING START
S300
RECEIVE KEY OPERATION SWITCHING INSTRUCTION
S305
KEY OPERATIONS ON TV FUNCTION ENABLED?
NO
YES
S310
DISABLE KEY OPERATIONS ON TV FUNCTION
S315
ENABLE KEY OPERATIONS ON TV FUNCTION
END

FIG.13

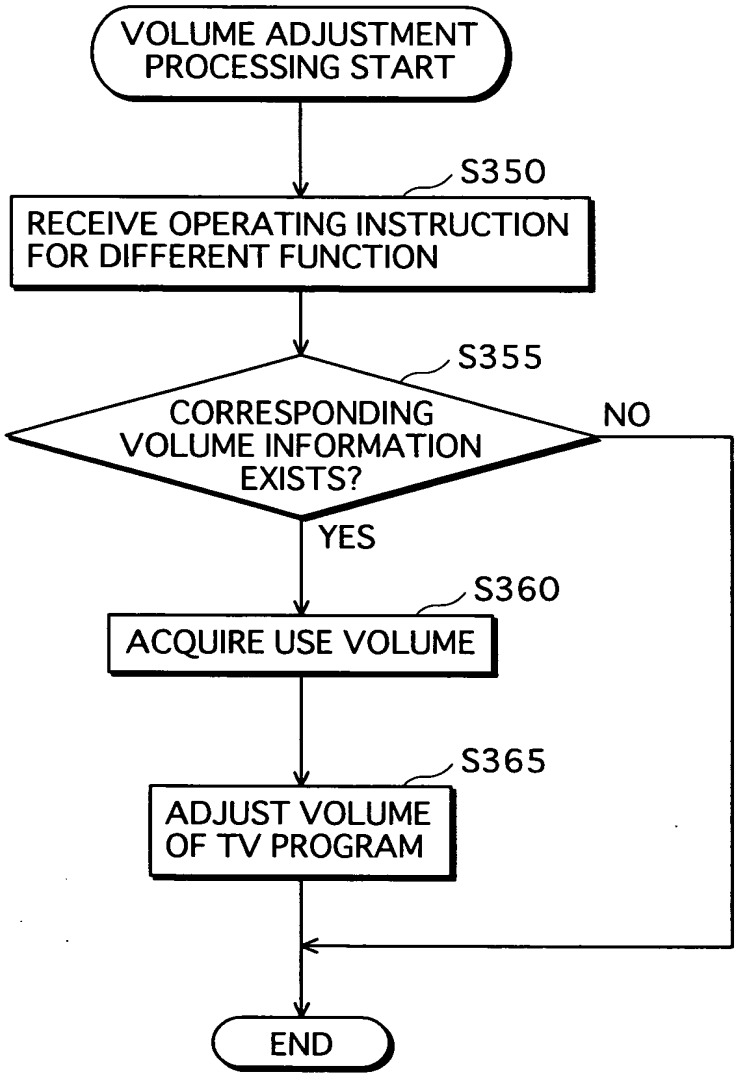

VOLUME ADJUSTMENT PROCESSING START
S350
RECEIVE OPERATING INSTRUCTION FOR DIFFERENT FUNCTION
S355
CORRESPONDING VOLUME INFORMATION EXISTS?
NO
YES
S360
ACQUIRE USE VOLUME
S365
ADJUST VOLUME OF TV PROGRAM
END

FIG.14A

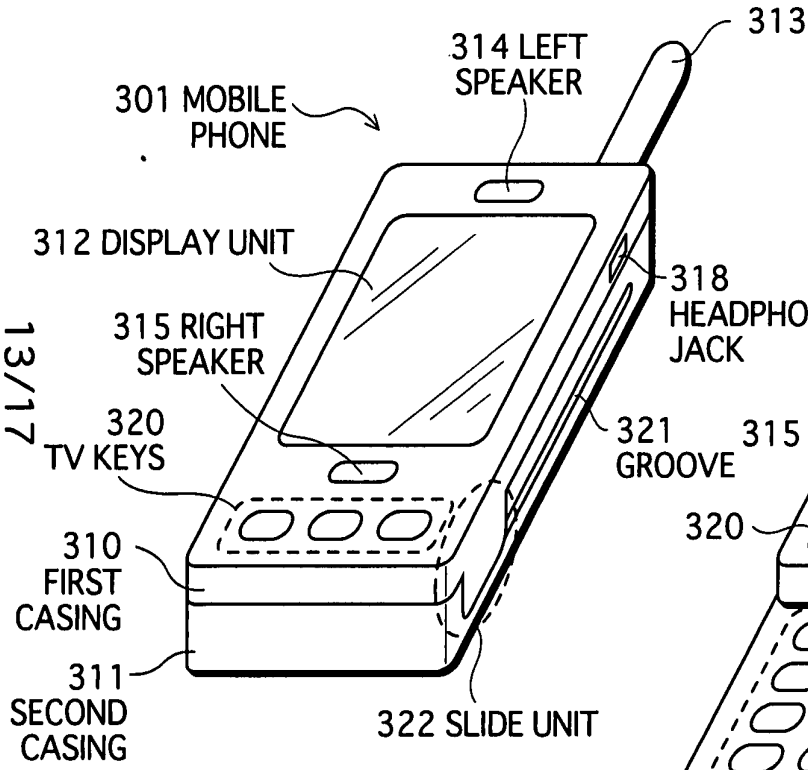


FIG.14B

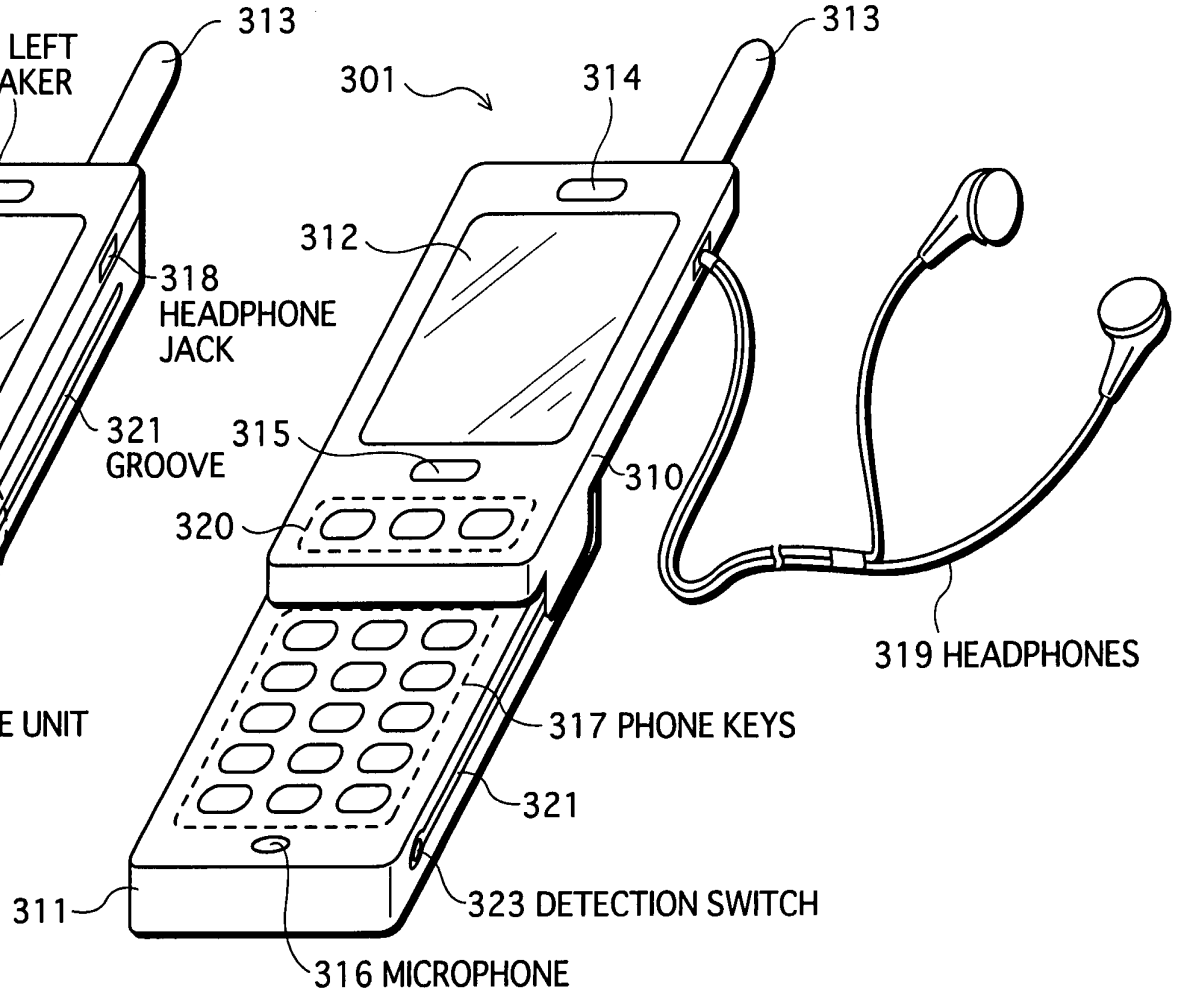


FIG.15A

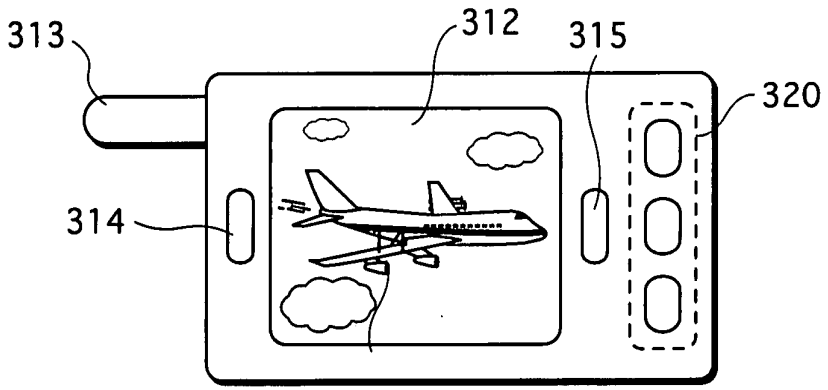


FIG.15B

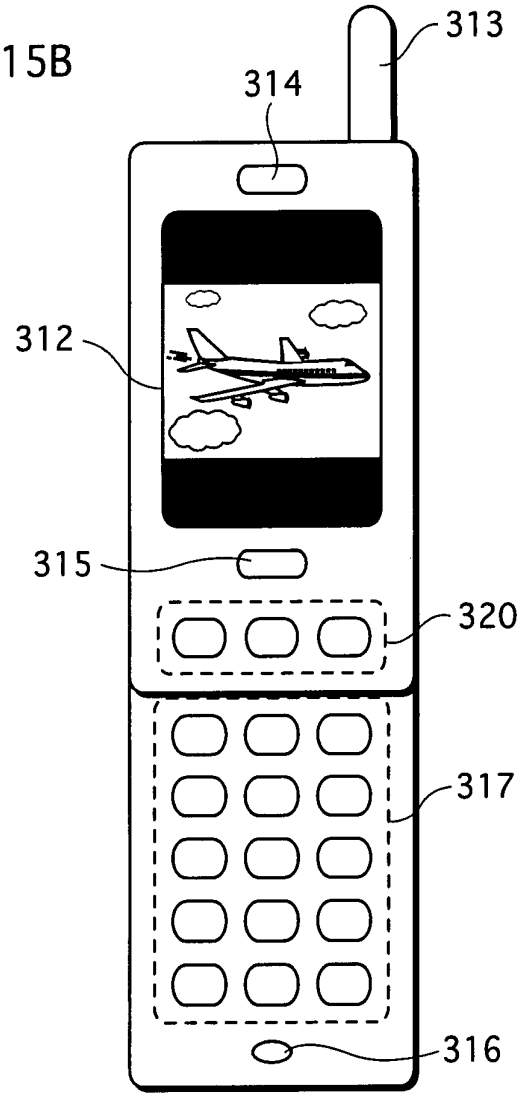


FIG.16

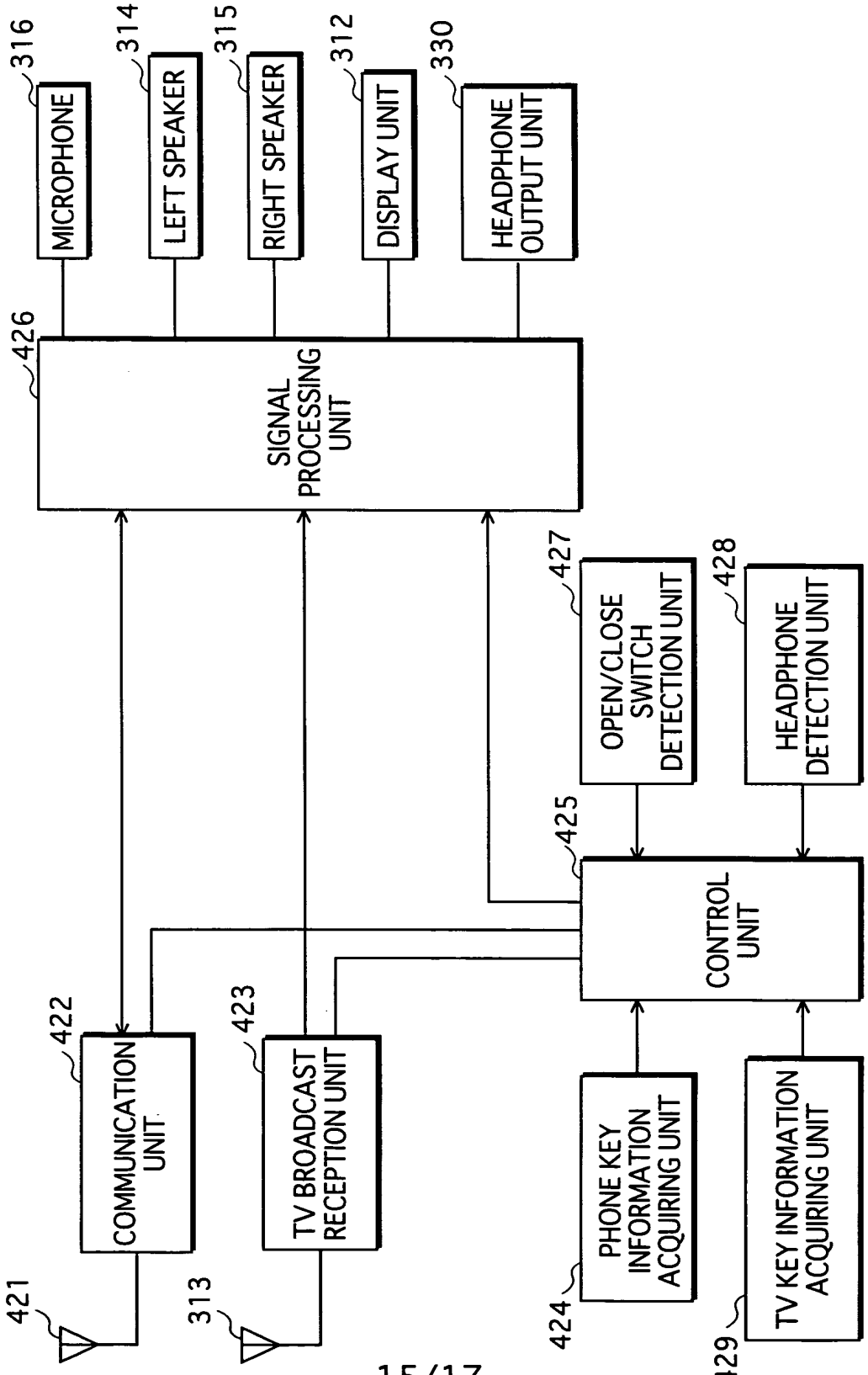
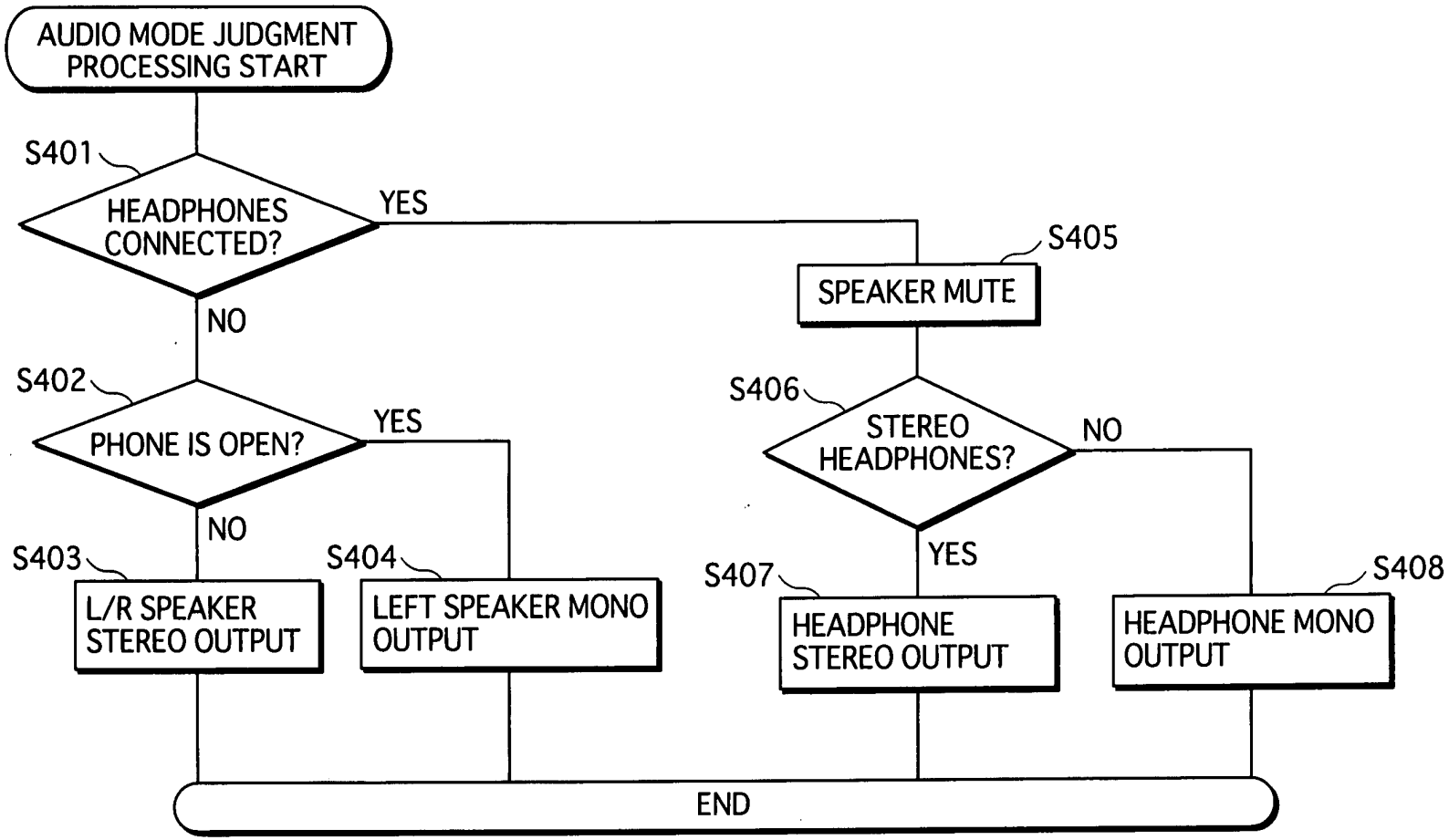

316
MICROPHONE
314
LEFT SPEAKER
315
RIGHT SPEAKER
312
DISPLAY UNIT
330
HEADPHONE OUTPUT UNIT
426
SIGNAL PROCESSING UNIT
427
OPEN/CLOSE SWITCH DETECTION UNIT
428
HEADPHONE DETECTION UNIT
425
CONTROL UNIT
422
COMMUNICATION UNIT
423
TV BROADCAST RECEPTION UNIT
PHONE KEY INFORMATION ACQUIRING UNIT
TV KEY INFORMATION ACQUIRING UNIT
421
313
424
429

FIG.17


AUDIO MODE JUDGMENT PROCESSING START
S401
HEADPHONES CONNECTED?
YES
NO
S402
PHONE IS OPEN?
YES
NO
S403
L/R SPEAKER STEREO OUTPUT
S404
LEFT SPEAKER MONO OUTPUT
S405
SPEAKER MUTE
S406
STEREO HEADPHONES?
NO
YES
S407
HEADPHONE STEREO OUTPUT
S408
HEADPHONE MONO OUTPUT
END

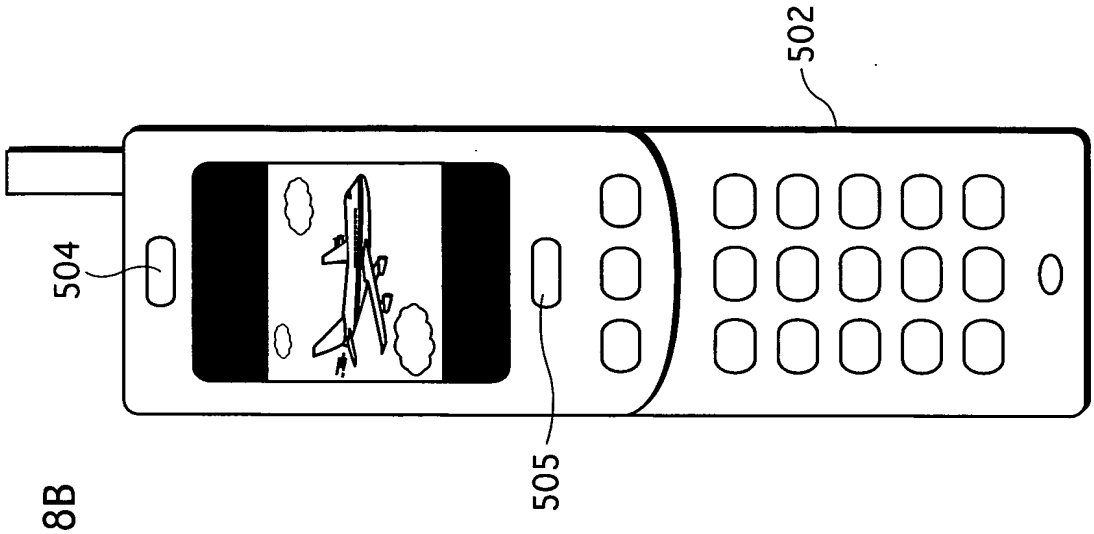


FIG.18B

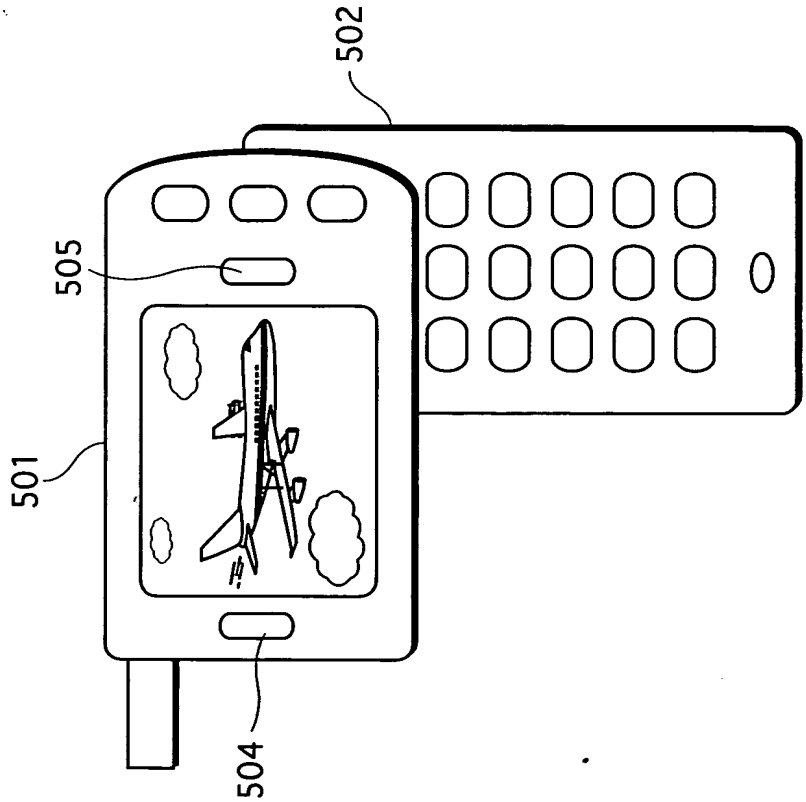


FIG.18A